

**DESCRIPTION**

Under this item the CONTRACTOR shall make structural steel member repairs and modifications as shown on the plans or contract documents.

**MATERIALS**

Structural Steel: ASTM A36

Expansion Anchor Bolts: The requirements of Subsection 567-2.01A3 shall apply

Mild steel arc welding electrodes: ANSI/AWS A5.1

Low Hydrogen Electrodes: E7015, E7016, or E7018

Shop Primer: Structural steel to be shop-primed per Section 572.

**CONSTRUCTION DETAILS**

New steel shall be shop prime painted with field touch-up.

All welding shall conform to the requirements of the Bridge Welding Code, ANSI/AASHTO/AWS D1.5-88. Welder shall be prequalified in accordance with the Bridge Welding Code. Evidence of qualifications shall be submitted to the ENGINEER for approval.

Field welds shall fuse or penetrate well into the surface of metal to insure a sound weld.

Fabricate and erect structural steel in compliance with the requirements of Section 715-01, Structural Steel, of the New York State Department Of Transportation Standard Specifications.

Grind cut edges of angles smooth as directed by the ENGINEER.

Field paint by hand brushing new steel and areas of existing steel which were cleaned of old paint with one coat of prime paint per manufacturers directions.

**METHOD OF MEASUREMENT**

The quantity to be paid for will be the actual number of kilograms of structural steel installed in accordance with the Plans.

**BASIS OF PAYMENT**

The price bid per kilogram of structural steel shall include the cost of furnishing all labor, materials, and equipment necessary to complete the work.

**ITEM 564.1001M          STRUCTURAL STEEL REPAIRS AND MODIFICATIONS**

Payment will be made under:

<b><u>Item No.</u></b>	<b><u>Item</u></b>	<b><u>Pay Unit</u></b>
564.1001M	Structural Steel Repairs and modifications	KG